	Application No.	Applicant(s)	
Nation of Allowahility	10/658,506	ZHENG ET AL.	
Notice of Allowability	Examiner	Art Unit	
	ANH PHUNG	2824	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in a ) or other appropriate commun RIGHTS. This application is sul	this application. If not include ication will be mailed in due co	d ourse, <b>THIS</b>
1. This communication is responsive to the Application filed	on Sept. 9, 2003		
2. ☑ The allowed claim(s) is/are <u>1-20</u> .			
3. The drawings filed on <u>09 September 2003</u> are accepted b	y the Examiner.		
<ul> <li>4. Acknowledgment is made of a claim for foreign priority to a) All b) Some* c) None of the:</li> <li>1. Certified copies of the priority documents have</li> <li>2. Certified copies of the priority documents have</li> <li>3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>	re been received. re been received in Application	No	on from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE		a reply complying with the requ	uirements
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv</li> </ol>	nitted. Note the attached EXAN res reason(s) why the oath or c	IINER'S AMENDMENT or NO leclaration is deficient.	TICE OF
6. CORRECTED DRAWINGS ( as "replacement sheets") mu (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date Identifying Indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	rson's Patent Drawing Review  's Amendment / Comment or in  1.84(c)) should be written on the	n the Office action of	back) of
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT</li> </ol>	sit of BIOLOGICAL MATER FOR THE DEPOSIT OF BIOL	IAL must be submitted. Note OGICAL MATERIAL.	e the
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☑ Notice of Draftperson's Patent Drawing Review (PTO-948)	5. ☐ Notice of Info 6. ☐ Interview Sum Paper No./M		152)
<ol> <li>Information Disclosure Statements (PTO1449 or PTO/SB/0 Paper No./Mail Date 10/24/03 &amp; 3/5/04</li> <li>Examiner's Comment Regarding Requirement for Deposit</li> </ol>	8. 🔀 Examiner's St	mendment/Comment atement of Reasons for Allow	ance
of Biological Material	9. Other <u>Search</u>	History.  PHUNG Y EXAMINER	

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## **DETAILED ACTION**

1. In response to the Application Serial No. 10/658,506 filed on September 9, 2003, claims **1-20** are pending in the application.

## Information Disclosure Statement

This office acknowledges receipt of the following items from the Applicant:
 Information Disclosure Statement (IDS) filed on October 24, 2003 and March 5,
 Information disclosed and listed on PTO 1449 was considered.

## Examiner's Statement of Reasons for Allowance

3. Claims **1-20** are allowed.

Chang et al. (US 6,754,105), Lee et al. (US 6,122,201), Eitan (US 6,011,725) and Eitan (US 5,768,192) disclose a charge trapping dielectric memory device and associated method similar to that of the present application, but fail to teach:

"a dielectric charge trapping layer disposed over the first dielectric layer; a second dielectric layer disposed over the charge trapping layer; and a gate electrode disposed over the second dielectric layer, wherein the gate electrode has a work function of about 4.6 eV to about 5.2 eV" as claimed in the independent claim 1; or

"applying a negative erase voltage to a gate electrode, the gate electrode having a work function of about 4.6 eV to about 5.2 eV; one of (i) connecting the drain to a zero potential, and (ii) floating the drain; one of (i) connecting the source to a zero potential and (ii) floating the source; and connecting the substrate to a zero potential" as claimed in the independent claim **16**.

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Any comments considered necessary by applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comment on Statement of Reasons for Allowance".

## Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANH PHUNG whose telephone number is (571) 272-**1883**. The examiner can normally be reached on Monday-Friday from 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RICHARD ELMS, can be reached on (571) 272-1869. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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